

MATERIAL SAFETY DATA SHEET



MacDermid

INCORPORATED

245 FREIGHT ST. • WATERBURY, CT 06702 • (203) 575-5700

PRODUCT

NIMAC 14 Index

PRODUCT
CODE

18114

PRODUCT CODE MUST ACCOMPANY ALL INQUIRIES REGARDING THIS PRODUCT



Health Flammability Reactivity Other

Issue Date: 06/20/73

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Revised Date: 03/20/91

0 1

24 HR. EMERGENCY NUMBER: CHEMTREC (800) 424-9300

Pollet # 7

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME: NIMAC 14 Index

CHEMICAL FAMILY: ORGANIC SALTS

FORMULA: Proprietary Mixture

HMS RATING: 1 HEALTH 0 FLAMABILITY 0 REACTIVITY OTHER
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

SECTION 2

HAZARDOUS INGREDIENTS

MacDermid Incorporated has concluded that there are no chemical ingredients in this product which are considered hazardous.

INGREDIENT(S)

CAS #

BY WEIGHT %

Not-Applicable

100

SECTION 3

PHYSICAL DATA

DENSITY: 9.6 LB/GL

FORM: Liquid

SPECIFIC GRAVITY: 1.151

pH: 5

FREEZING POINT: 32 F 0C

FLASH POINT: n/a

SOLUBILITY IN WATER: Complete

VAPOR PRESSURE: n/a

COLOR: Water white

ODOR: Mild

NOTE: These physical properties are typical values for this product

SECTION 4

FIRE AND EXPLOSION DATA

FLASH POINT: n/a

EXTINGUISHING MEDIA:

NEVER allow run-off to enter sewers or waterways.
Waterspray; carbon dioxide; dry chemical; foam; halon
As appropriate for surrounding material

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Wear self-contained breathing apparatus/protective clothing
Fight fire from remote locations

449227



IMPORTANT HEALTH & SAFETY INFORMATION

MacDermid Incorporated

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SECTION 5

FIRST AID DATA

Contact a physician in all cases of exposure. First aiders should provide for their own safety prior to rendering assistance.

EYES:

Flush with water for 30 minutes
Contact physician immediately

SKIN:

If contacted wash the skin with water for 15 minutes.
Contact physician

INGESTION:

If ingested rinse the mouth and throat liberally with water
Reassure the victim and calm him down

INHALATION:

Move the victim to cool uncontaminated area
Monitor the patient for respiratory distress

CAUTION: If unconscious-having trouble breathing-or in convulsions-do not induce vomiting or give water.

Always clean contaminated clothing and gear prior to reuse.
NEVER administer anything to an unconscious person.

SECTION 6

HEALTH EFFECTS DATA

Primary Route(s) of Exposure: Eye Skin Inhalation and Ingestion

EYE CONTACT: Chemical irritation follows initial mechanical irritation
Weak and mild eye irritant
May cause slight irritation to sensitive individuals

SKIN CONTACT: May cause irritation and damage to skin
Itching sensation will occur
Prolonged or repeated contact may cause irritation

INGESTION: The substance is moderately toxic if swallowed.
Intense thirst occurs
Headache and general weakness may occur

INHALATION: Mild irritation to respiratory system
Irritation of mucous membrane of nose/mouth/throat may occur
Temporary headache may occur

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SECTION 7

PERSONAL PROTECTIVE DATA

RESPIRATORY PROTECTION: If the OSHA-PEL/ACGIH-TLV are exceeded, it is recommended that a NIOSH approved respirator be used. Consult with your industrial hygienist for appropriate cartridge selection & use.

For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a pressure-demand, self-contained breathing apparatus is recommended.

VENTILATION: General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists, or aerosols may be released.

PROTECTIVE EQUIPMENT:

Splash proof goggles; Face shields; Chemical aprons; Boots and gloves.

The availability of an eye wash fountain and safety shower is recommended.

If clothing is contaminated, remove clothing and thoroughly wash the affected body area. Launder contaminated clothing before reuse.

Consult with your Safety Professional/Industrial Hygienists for specific information regarding applications at your facility.

SECTION 8

TOXICOLOGY DATA

TOXICITY STUDIES: Toxicity Studies have not been conducted on this product. However, toxicity literature surveys have been conducted on the ingredient(s) in Section 2. The results are as follows:

ACUTE ORAL TOXICITY: Unknown

ACUTE DERMAL TOXICITY: Unknown

ACUTE RESPIRATORY TOXICITY: Unknown

TOXICITY HAZARD REVIEW (THR):
Unknown

Listed as suspected carcinogen by: IARC: no NTP: no OSHA: no

SECTION 9

REACTIVITY DATA

INCOMPATIBILITY: Unknown

HAZARD DECOMPOSITION PRODUCTS: Oxides of carbon and sulfur

STABILITY: Stable

CONDITIONS TO AVOID: Unknown

HAZARDOUS POLYMERIZATION: No

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SECTION 10

SPILL AND DISPOSAL DATA

In Case of Transportation Accidents, call the following 24 hour telephone number: CHEMTREC (1-800-424-9300)

SPILL CONTROL AND RECOVERY:

NEVER allow spills to enter sewers or waterways.
Soak up inert into adsorbent material; DO NOT use sawdust.
Collect for disposal in plastic recovery drum. Flush residue with plenty of water to chemical drain.

DISPOSAL:

Dilute with large amounts of water and neutralize with dilute base. Discard to chemical waste treatment system.

Due to more restrictive waste disposal regulations, NEVER waste treat or dispose of material until you check your appropriate local, state, & federal regulations for requirements. Spills may REQUIRE notification to FEDERAL, STATE and/or LOCAL AUTHORITIES.

SECTION 11

TRANSPORTATION DATA

DOT PROPER SHIPPING NAME: Non regulated

HAZARD CLASS: - - -

UN/NA #: - - -

IMO/IATA : Non regulated plating additive

HAZARD CLASS: - - -

SECTION 12

GENERAL STORAGE DATA

Material should be stored in the properly sealed original container.

ON-REGULATED

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SECTION 13

REGULATORY DATA

The Following Regulations apply to this product.

FEDERAL REGULATIONS:

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200: Based on our evaluation, the following ingredients in this product are subject to this rule:

CHEMICAL NAME	CAS #	BY WEIGHT %	OSHA-PEL	ACGIH-TLV
Not-Applicable	---	100	---	---

CERCLA/SUPERFUND, 40 CFR 117, 302/304: Notification of spills of this product is NOT required.

SARA/SUPERFUND AMENDMENTS & REAUTHORIZATION ACT of 1986 (TITLE III)-Sections 302, 311, 312, & 313:

SECTION 302: Extremely Hazardous Substances (40 CFR 355)
This product does not contain ingredients listed in APPENDIX A of 40 CFR 355 as an extremely hazardous substance (EHS):

SECTIONS 311 & 312 - M.S.D.S. REQUIREMENTS (40 CFR 370):

This product contains ingredients listed in APPENDIX A of 40 CFR 355 and hazardous chemicals under 29 CFR 1910.1200 (c). The product should be reported under the following E.P.A. hazard categories:

☒ Immediate (Acute) health hazard ☐ Delayed (Chronic) health hazard
☐ Fire Hazard ☐ Sudden release of pressure hazard

☐ Reactive hazard

Under Section 311, submittal of MSDS's or a list of product names to the local emergency planning commission, state emergency response commission, the local fire department is required after October 17, 1987. Consult the regulation for pertinent changes and updates.

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SECTION 13 REGULATORY DATA (Continued)

SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFR 372):

This product does not contain ingredients listed under 40 CFR 372.65.

TOXIC SUBSTANCE CONTROL ACT (TSCA): The chemical ingredient(s) in this product are listed on the 8(b) Inventory List (40 CFR 710).

RESOURCE CONSERVATION & RECOVERY ACT (RCRA), 40 CFR 261 SUBPARTS C & D:

Please refer to Section 10, disposal information for pertinent data.

TOTAL TOXIC ORGANICS

This product does not contain ingredients on the List of Total Toxic Organics.

STATE REGULATIONS:

California Proposition 65:

This product complies with the MSDS and labeling requirements of the Safe Drinking Water and Toxic Enforcement Act of 1986.

Michigan Critical Materials:

This product does not contain ingredients listed on the Michigan Critical Materials Register.

State Right-to-Know Laws:

Please consult your particular state's right-to-know law.

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REGULATORY DATA (Continued)

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INTERNATIONAL REGULATIONS:

Canadian Domestic Substance List (CDSL):

The chemical ingredients in this product are listed with the C.D.S.L.

The information listed above does not include all Federal, State, and International regulations. The regulations listed above may change from time to time; it is the user's responsibility to keep advised of current regulatory requirements.

Prepared by MacDermid Inc. Safety & Regulatory Compliance Department, based upon publicly available reference information.

SECTION 14

USER NOTIFICATION

To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.